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OFFICIAL VATECH DEALER

PRODUCT CATALOGUE

vatech

Welcome to Vatech,

Your Global Premier Dental Imaging Company

Our story began 21 years ago, when we embarked on a journey into the dental imaging market. At that time, skeptics and industry leaders doubted our potential, asserting that we couldn't possibly make a mark in the industry. Yet, with unwavering determination and a commitment to excellence, we not only defied the odds but rose to prominence. Today, Vatech proudly holds the No.1 market share in North America, Europe, and Asia.

What sets Vatech apart and has fueled our remarkable journey to the top of the industry? Let's explore the key reasons behind our outstanding success.

Unmatched Quality Assurance:
Vatech is the one and only company that manufactures all core components in-house, supplying a comprehensive range of digital dental solutions, including digital intra-oral, panoramic, and CBCT imaging systems, along with software. This vertical integration empowers us to maintain the highest and longest quality assurance in the market. Notably, during the challenging times of the pandemic, Vatech remained a reliable source, unaffected by supply chain disruptions.

Relentless Innovation:
While we have secured our position as an industry leader, we never stop innovating. Vatech consistently invests 25% of our annual profits back into Research and Development, driving innovation. As a result, we have the most patents in the dental imaging sector worldwide. Our X series, featuring an unprecedented resolution of 49.5 µm, sets a new standard in the market.

Dedicated Customer Service:
Vatech is not just about cutting-edge technology; we are equally committed to delivering exceptional customer service. Our devoted in-house engineering team at Vatech UK is consistently hard at work, ensuring the resolution of any technical issues that practices may encounter. Remarkably, 95% of these issues are resolved within a mere 10 minutes via phone support. Also, our engineering team undergoes consistent training, conducted both at the regional headquarters in Prague and the global headquarter in New York whilst they train the engineering team from various distributors on regular basis.

People-Centric Philosophy:
At Vatech, we firmly believe that happy employees make for happy customers. Our headquarters in Korea set the bar high by providing an in-house nursery, errand centre, and cafeteria to care for our employees. This commitment to their well-being ensures that our team is driven by a passion for excellence and exceptional service.

In conclusion, Vatech is not just a company; we are a journey, a testament to the power of innovation, perseverance, and a deep commitment to our customers and employees. Our steadfast commitment lies in enriching your clinic experience, aiming to elevate the overall quality of life for you, your patients, and our dedicated team.

A History of World Firsts

- **2005** **Picasso-Trio™**
  World's First
  3-in-1 Digital X-ray System
- **2007** **PaX-Duo3D™**
  World's First
  Auto-Switching System
- **2008** **PaX-Uni3D™**
  World's First
  One Shot Cephalometric
- **2009** **PaX-Reve3D™**
  World's First
  Free FOV System
- **2013** **PaX-i3D Green™**
  World's First
  Low-Radiation System
- **2015** **EzSensor Soft™**
  World's First
  Pain-Relief and Soft Touch Sensor
- **2017** **PaX-i Insight™**
  World's First
  41 Layer Image Acquisition
- **2020** **EzRay Air Portable™**
  World's First
  Dental Application of Carbon Nano Technology

VATECH IMAGING SYSTEMS

Green X

Smart X

Green 16

Smart Plus

PaX-i Plus

EzRay Air P

EzRay Air W

EzSensor Classic

EzSensor HD

Ez3D-i

EzDent-i

EzOrtho

Testimonial

NEW GREEN INNOVATION

Green X™

- **4-IN-1 DIGITAL X-RAY IMAGING SYSTEM**
  [PANO / CEPH / CBCT / MODEL SCAN]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **ENDO MODE WITH HIGH RESOLUTION**
- **INSIGHT 2.0 FEATURE**
- **3D SCANNING FOR MODEL**

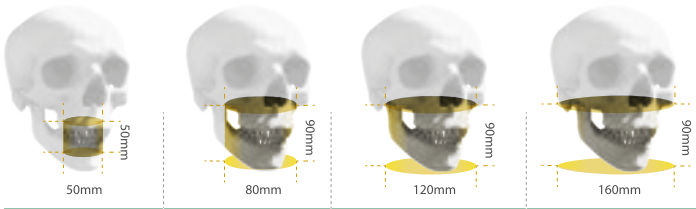
THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

Green X is an advanced 4-in-1 digital x-ray imaging system that incorporates Pano, Ceph (optional), CBCT, and Model Scan. With Vatech's extensive experience in the dental imaging field, the Green X provides high-quality images with lower radiation by combining image processing. This will improve your diagnostic accuracy and lead to increased treatment planning and patient satisfaction.




MULTI FOV SELECTION

Green X offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimising exposure to areas that are in the region of interest.
The selection includes the following FOV sizes for diagnostic needs: 16x9, 12x9, 8x5, 5x5 and 4x4. These options cover the single and full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.



	FOV 4x4/5x5	FOV 8x5/8x9	FOV 12x9	FOV 16x9
REGION	- Single tooth capture	- Central dentition - TMJ (R or L) - Single arch	- Dual arch including sinus and nerve - TMJ (R or L)	- Back border of jaw (Ramus) - Dual arches back to the 3rd molars plus sinus - Central incisor to spine
CLINICAL IMPLICATION	- Implant single site - Endo - Perio - Complex impaction (3rd) - OMS - Supernumerary : Ortho	- Implantology - Guided Surgery - General Dentist - OMS - Orthodontics	- Surgical guides - Sinus lifts - Bone grafting - Bi lateral sinus augmentation	- Surgical Guides - Sinus lifts for both sinuses - Complex orthognathic cases - Simultaneous diagnosis for both TMJs

GREEN SCAN TIME

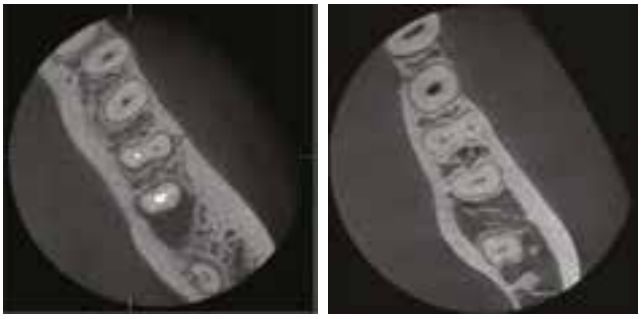
Due to its scan time. the Green X minimises motion artifact and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice.
Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.

Ceph CBCT Pano

ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 49.5 micron voxel size, the Endo mode will optimize treatment of highly-focused regions of interest. It is ideal for endodontic use because the dentist is able to achieve an extraordinary image in a high-resolution voxel size.

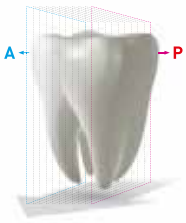
DENTAL MODE VS. ENDO MODE



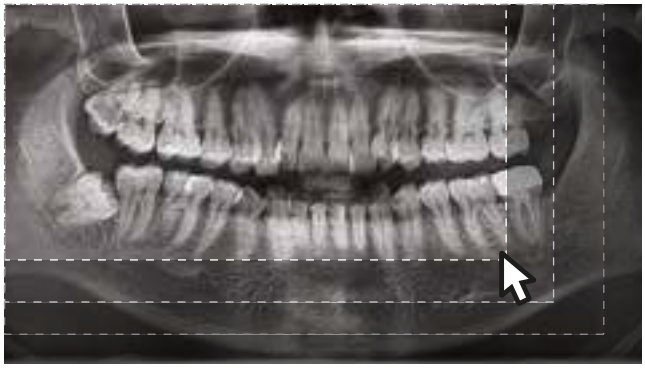
DENTAL MODE VS. ENDO MODE

INSIGHT 2.0

The Insight Pan is capable of taking a multi-layered panoramic image, called an Insight Pan, which provides a unique in-depth look across a single focal trough. Insight 2.0 has an upgraded free FOV feature so you will be able to capture just the area of interest.



FREE FOV



3D SCANNING FOR MODEL

3D model scan enables users to store plasters as digital models.

DIGITIZED ONE-STOP CLINIC

CAD/CAM integration

- Sufficient level of detail for surgical guide design

Specially designed Jig

- Stable protection from partial model to full model

*3D scanning for Plaster Cast with FOV 8x9 (cm)

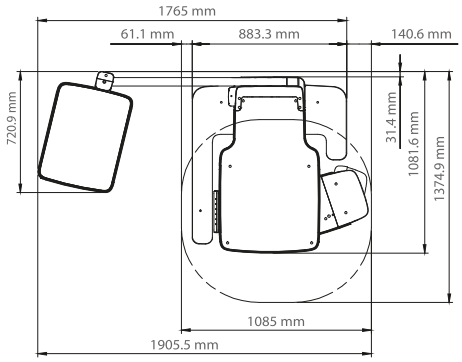
SPECIFICATIONS [Green X : **PHT-75CHS**]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC 60336)	
CT FOV Size	16x9 cm : 4x4, 5x5, 8x5, 8x8, 12x9, 16x9 cm	
Voxel Size	4x4	0.05 mm
	5x5	0.08 mm / 0.12 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	12x9 / 16x9	0.2 mm / 0.3 mm
Scan Time	Pano	4.0 sec / 14.1 sec
	Ceph	1.9 sec / 4.9 sec
	CBCT	2.9 sec / 9.0 sec
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	162.9 kg (359.13 lbs - without Base)
		217.9 kg (480.38 lbs - with Base)
	With CEPH unit	187.9 kg (414.25 lbs - without Base)
		242.9 kg (535.50 lbs - with Base)
Dimensions	With CEPH unit	1905.5 mm (L) x 1374.9 mm (W) x 2315.4 mm (H) - without Base
		1905.5 mm (L) x 1374.9 mm (W) x 2345.4 mm (H) - without Base
	Without CEPH unit	1085.0 mm (L) x 1343.5 mm (W) x 2315.4 mm (H) - without Base
		1085.0 mm (L) x 1343.5 mm (W) x 2345.4 mm (H) - with Base

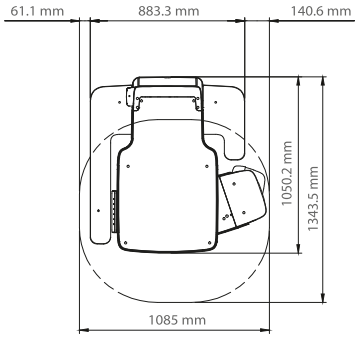
*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]

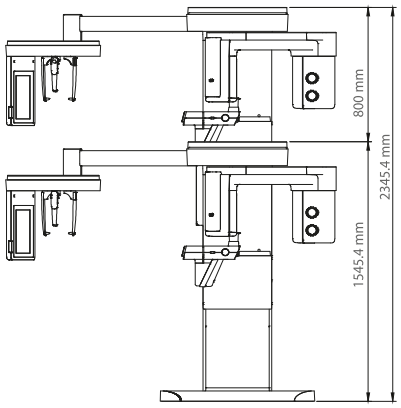
WITH CEPH



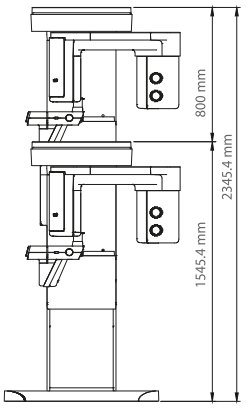
WITHOUT CEPH



TOP VIEW



FRONT VIEW



An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).

SPEED, QUALITY, PREDICTABILITY NO COMPROMISE

Smart X

- SMART FOCUS MODE
- COMPRESSED SENSING TECHNOLOGY
- HIGHEST RESOLUTION WITH 0.05mm VOXEL SIZE
- AUTO TRACING WITH AI
- FASTEST SCAN TIME

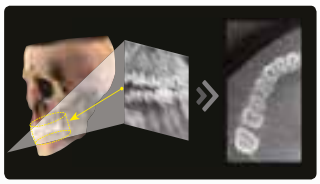
49.5 µm CMOS Sensor

SMART FOCUS MODE

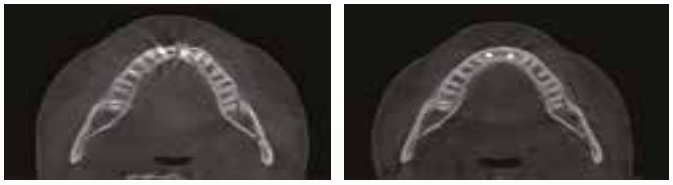
Comprehensive planning for complex cases in one go. Smart Focus is a revolutionary technology that captures 5 high-resolution images in just one scan. Whether new patients or complex cases, multiple images obtained from a single scan allow comprehensive treatment planning.

COMPRESSED SENSING TECHNOLOGY

Vatech dramatically improves its image quality with much less artefact and noise via its Compressed Sensing Technology (CST), iterating its reconstruction process 10 times more than the normal amount to depict the object's true representation.



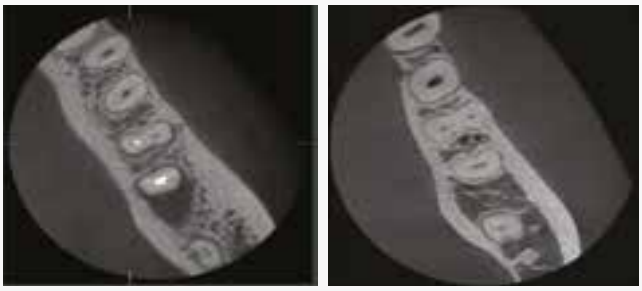
Normal Image Reconstruction vs. Smart X Image Reconstruction



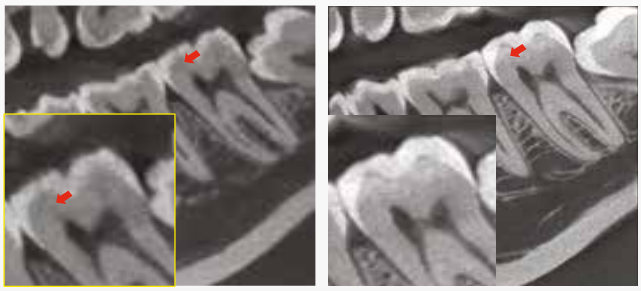
Normal Image Reconstruction vs. Smart X Image Reconstruction

ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 50 micron voxel size, the endo mode will optimise treatment of highly-focused regions of interest. It is ideal for endodontic use because the dentist is able to achieve an extraordinary image in a high-resolution voxel size.



Dental Mode vs. Endo Mode



Dental Mode vs. Endo Mode

MULTI FOV SELECTION

The Smart X offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimising exposure to areas that are not in the region of interest. The selection includes the following FOV sizes for diagnostic needs: 12x8.5, 8x8, 8x5, 4x4 and optional 12x14 (Double Scan Stitching). These options cover the single and full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.

GREEN SCAN TIME

Due to its scan time, the Smart X minimises motion artefact and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice. Focusing on the highest quality of patient care, Vatech Strives to improve the health and safety of your patients.

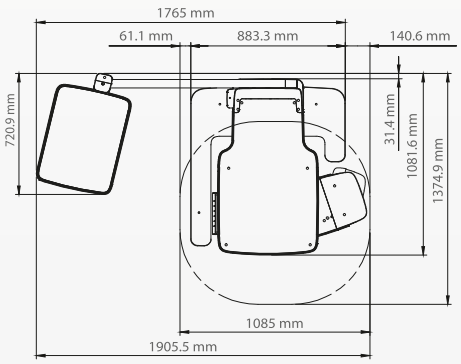
SPECIFICATIONS [Smart X : **PHT-75CHS**]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC 60336)	
CT FOV Size	Endo(4x4), 8x5, 8x8, 12x8.5, Smart Focus, Double Scan(12x14)	
Voxel Size	4x4	0.05 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	2x8.5 /Double Scan/Smart Focus	0.2 mm / 0.3 mm/0.07mm
Scan Time	Pano	4.0 sec / 14.1 sec
	Ceph	1.9 sec / 4.9 sec
	CBCT	10.0 sec (8x5- 8x8) I 15.5 sec (12x8.5, Smart Focus, Double Scan) I 13.0 sec (Endo)
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	162.9 kg (359.13 lbs - without Base)
		217.9 kg (480.38 lbs - with Base)
	With CEPH unit	187.9 kg (414.25 lbs - without Base)
		242.9 kg (535.50 lbs - with Base)
Dimensions	With CEPH unit	1905.5 mm (L) x 1374.9 mm (W) x 2315.4 mm (H) - without Base
		1905.5 mm (L) x 1374.9 mm (W) x 2345.4 mm (H) - without Base
	Without CEPH unit	1085.0 mm (L) x 1343.5 mm (W) x 2315.4 mm (H) - without Base
		1085.0 mm (L) x 1343.5 mm (W) x 2345.4 mm (H) - with Base

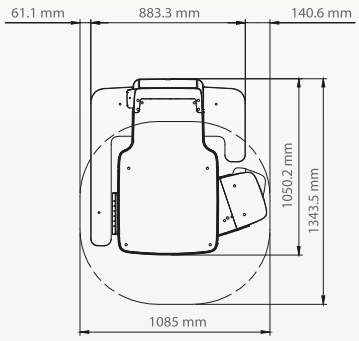
*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: Inch]

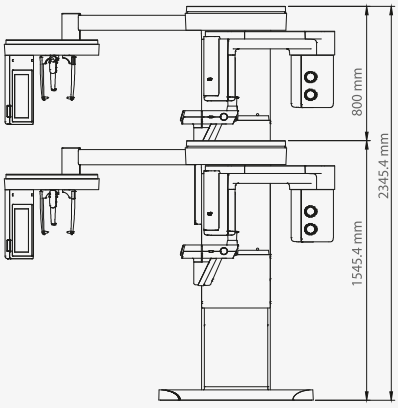
WITH CEPH



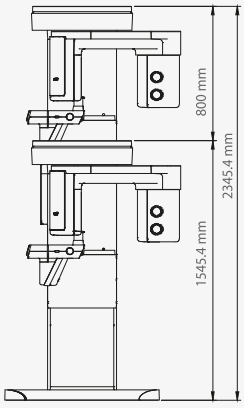
WITHOUT CEPH



TOP VIEW



FRONT VIEW



An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).

THE NEXT GREEN INNOVATION

Green 16™

- **4-IN-1 DIGITAL** [PANO | CEPH | CBCT | MODEL]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **LOW DOSE AND HIGH IMAGE QUALITY**
- **THE ART-V**
- **3D SCANNING FOR MODEL**

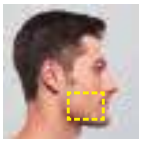
THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

The Green 16 is an advanced 4-in-1 digital x-ray imaging system that incorporates PANO, CEPH (Optional), CBCT, and MODEL Scan.
It provides high quality images with lower radiation by combining image processing and accumulated experience in dental imaging from Vatech. This will improve your diagnostic accuracy with increased treatment planning and patient satisfaction.



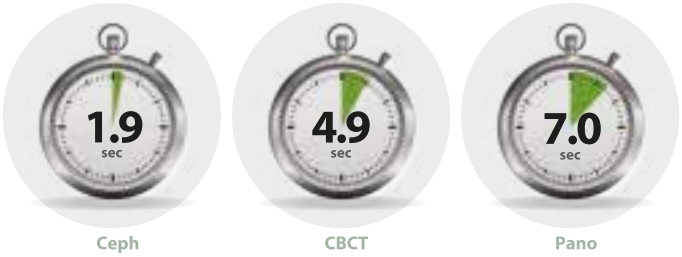

MULTI FOV SELECTION

The Green 16 offers a range of selectable fields of view. The Multi FOV enables the user to select the optimal FOV mode and minimizes exposure to areas not in the region of interest. Select the proper FOV size among 16x9,12x9, 8x9, 8x5 and 5x5 based on a particular diagnostic need. It covers the full arch region, sinus, and left/right TMJ and it suits most oral surgery cases as well as multiple implant surgeries.

Endo & Single implant	Arch	Dual Arch	Sinus & TMJ
5x5	8x5 / 8x9	12x9	16x9
			
Optimal size to cover 3~4 teeth through capturing ROI	Basic FOV size & select a left or right or center arch	Suitable for multiple implant surgeries	Optimal size for sinus & TMJ diagnosis

GREEN SCAN TIME

The Green 16 minimizes motion artifact and enables faster workflow due to its scan time.
It produces superb diagnostic images, which will be a source of pride for any dental practice. Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.

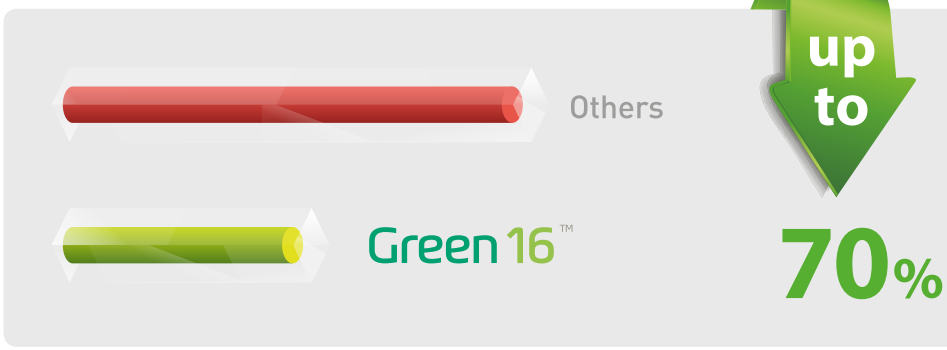


Ceph CBCT Pano

LOW DOSE AND HIGH IMAGE QUALITY

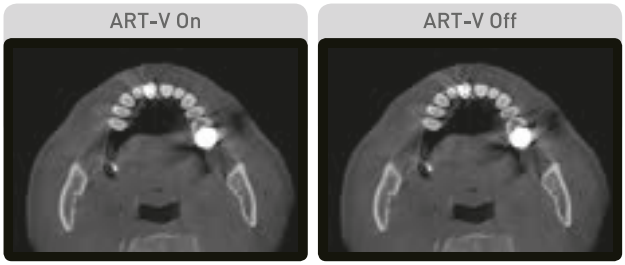
What has been developed at Vatech breaks many conventions in dental radiography.
It was always believed that with low radiation comes inferior image quality, which renders it useless in clinical diagnosis. However, the Green 16 provides clinically diagnosable x-ray scans at a low x-ray dosage. With low dose radiography, achieving clinically diagnosable image quality is the new golden-standard.

Effective Dose Data



THE ART-V

Metal artifact hinders visualization and naturally reduces diagnostic confidence.
Clear images cause less stress and provide more confidence which lead to accurate diagnosis for implant planning.

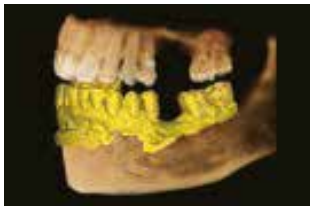


*ART-V is the new name of Vatech's MAR function.
(Artifact Reduction Technology of Vatech)

3D SCANNING FOR MODEL

3D model scan enables users to store plasters as digital models.

DIGITIZED ONE-STOP CLINIC



CAD/CAM integration
- Sufficient level of detail for surgical guide design

Specially designed Jig
- Stable protection from partial model to full model

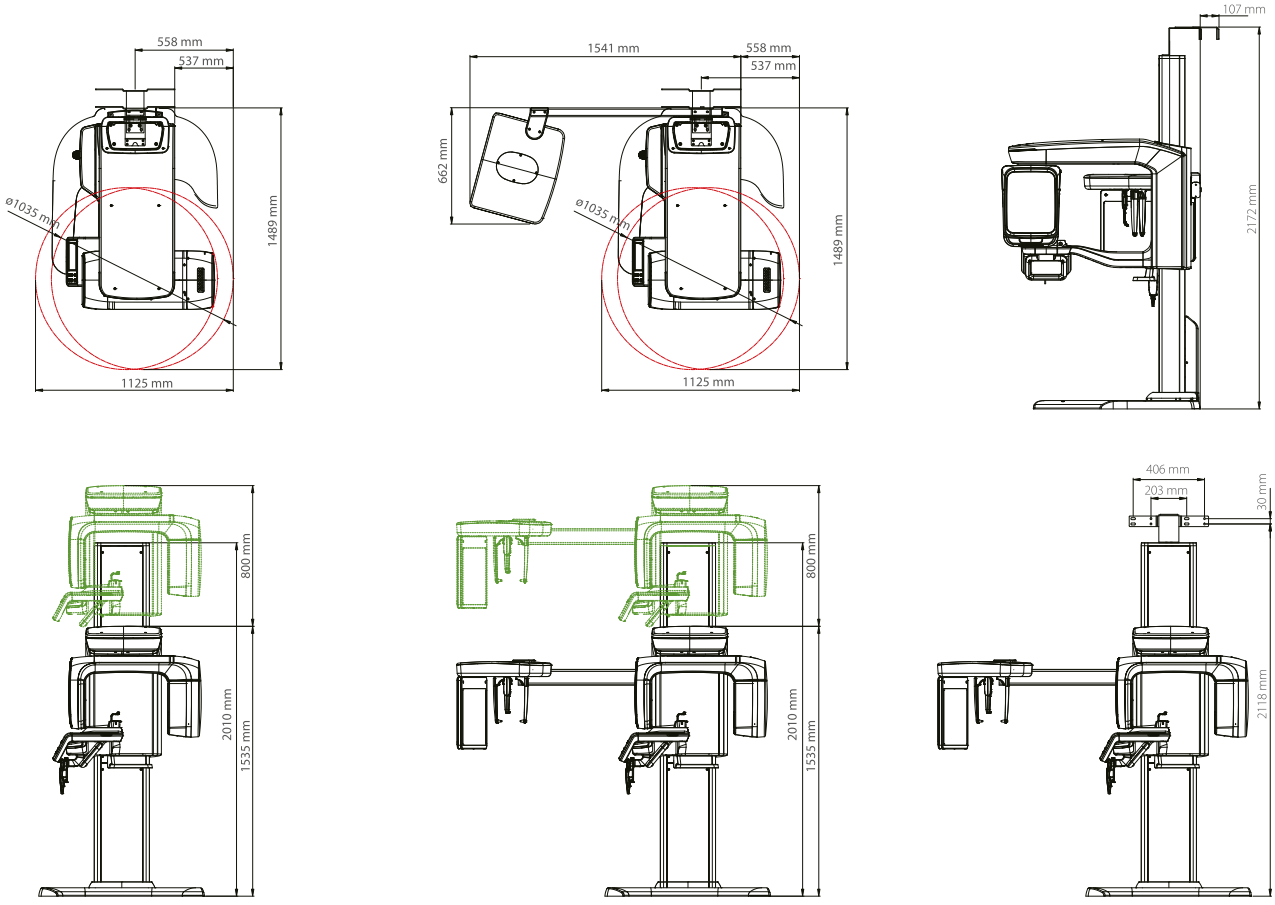
*3D scanning for Plaster Cast with FOV 8x9 (cm)

SPECIFICATIONS [Green 16 : **PHT-65LHS**]

Function		CT + Pano + Ceph + Model Scan
Focal Spot Size		0.5 mm (IEC60336)
CT FOV Size		16x9 cm : Multi [5x5 / 8x5 / 8x9 / 12x9 / 16x9 cm]
Voxel Size	5x5	0.08 mm / 0.12 mm
	8x5 / 8x9	0.12 mm / 0.2 mm
	12x9	0.2 mm / 0.3 mm
	16x9	0.2 mm / 0.3 mm
Scan Time	Pano	14.1 sec / 7.0 sec
	Ceph	3.9 sec / 1.9 sec
	CBCT	9.0 sec (12x9 - 18x10) / 4.9 sec (5x5 - 8x9)
Gray Scale		14 Bit
Tube Voltage / Current		60 - 99 kVp / 4 - 16 mA
Weight	Without CEPH unit	134 kg - without the Base
		187 kg - with the Base
	With CEPH unit	159 kg - without the Base
		212 kg - with the Base
Dimensions	Without CEPH unit	1125 mm (L) x 1489 mm (W) x 2335 mm (H)
	With CEPH unit	1874 mm (L) x 1489 mm (W) x 2335 mm (H)

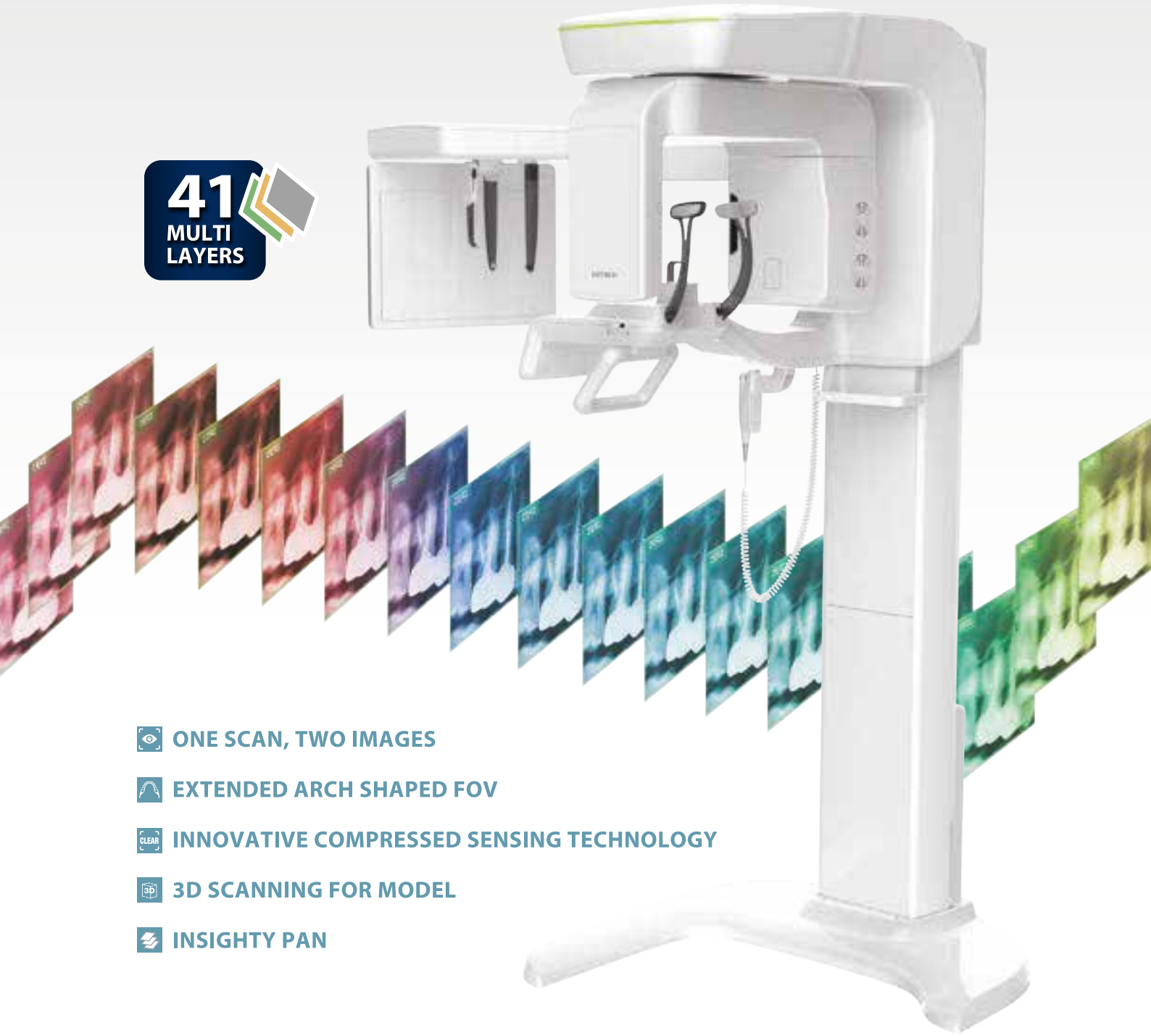
*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).

Smart Plus™



- ONE SCAN, TWO IMAGES
- EXTENDED ARCH SHAPED FOV
- INNOVATIVE COMPRESSED SENSING TECHNOLOGY
- 3D SCANNING FOR MODEL
- INSIGHTY PAN

SMART INNOVATION

ONE SCAN, TWO IMAGES

One scan with the Smart Plus gives you not just a CT image, but also an Auto Pano image. This means, patients who require both images do not need to undergo two x-ray scans. Also, CT and Auto Pano images are displayed within one viewer.

2D

3D

* Conventional panorama mode is provided.

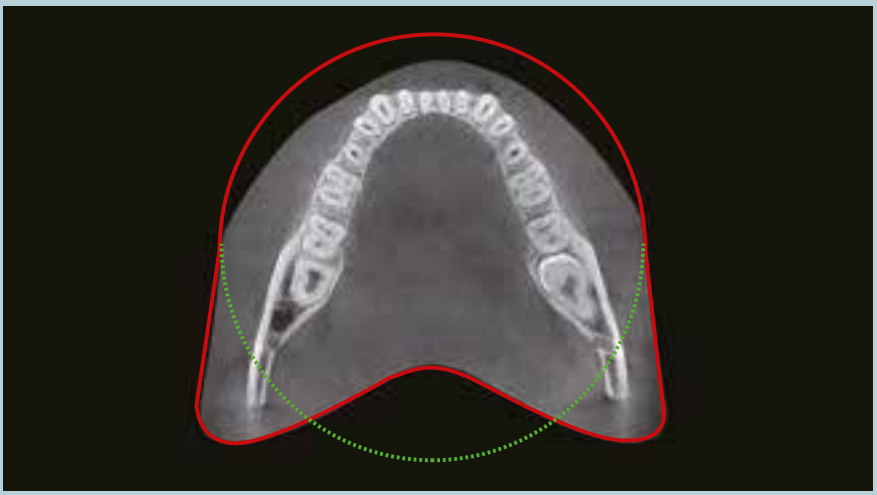
[2D AND 3D IN ONE VIEWER]

Viewing 2D and 3D images together provides many benefits. There is no need to utilize two different software programs and the one viewer feature presents a professional look for your patients.

This layout helps patients better understand the images, which will eventually result in increasing acceptance rates.

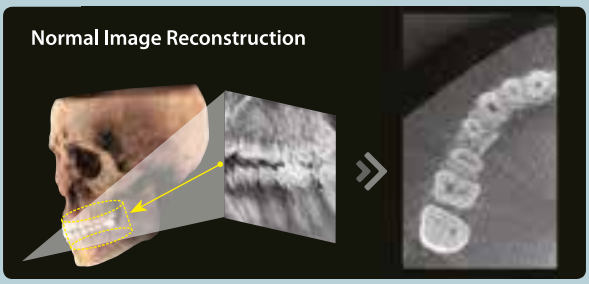
EXTENDED ARCH SHAPED FOV

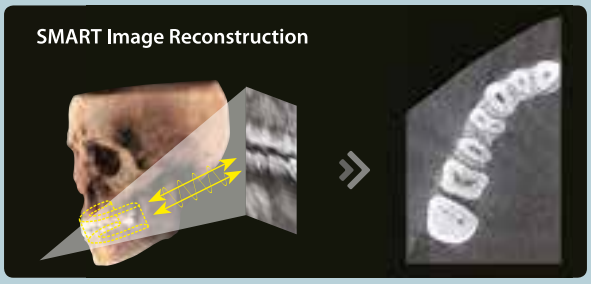
The innovative FOV of the Smart Plus provides an arch-shaped volume, which shows a wider view of the dentition compared to other devices of the same FOV. When a tooth is lying on its side, there is a high possibility that the tooth will be cut out of the image. The "arch-shaped volume" eliminates this possibility and shows the hidden dentition area.



INNOVATIVE COMPRESSED SENSING TECHNOLOGY

3D image quality has dramatically improved based on the innovative image reconstruction technology.





3D SCANNING FOR MODEL

3D model scanning enables users to store plasters as digital models.

DIGITIZED ONE-STOP CLINIC

CAD/CAM integration
- Sufficient level of detail for surgical guide design

Specially designed Jig
- Stable platform from partial model to full model scanning

* 3D scanning for Plaster Cast with FOV 10x8.5 (cm)

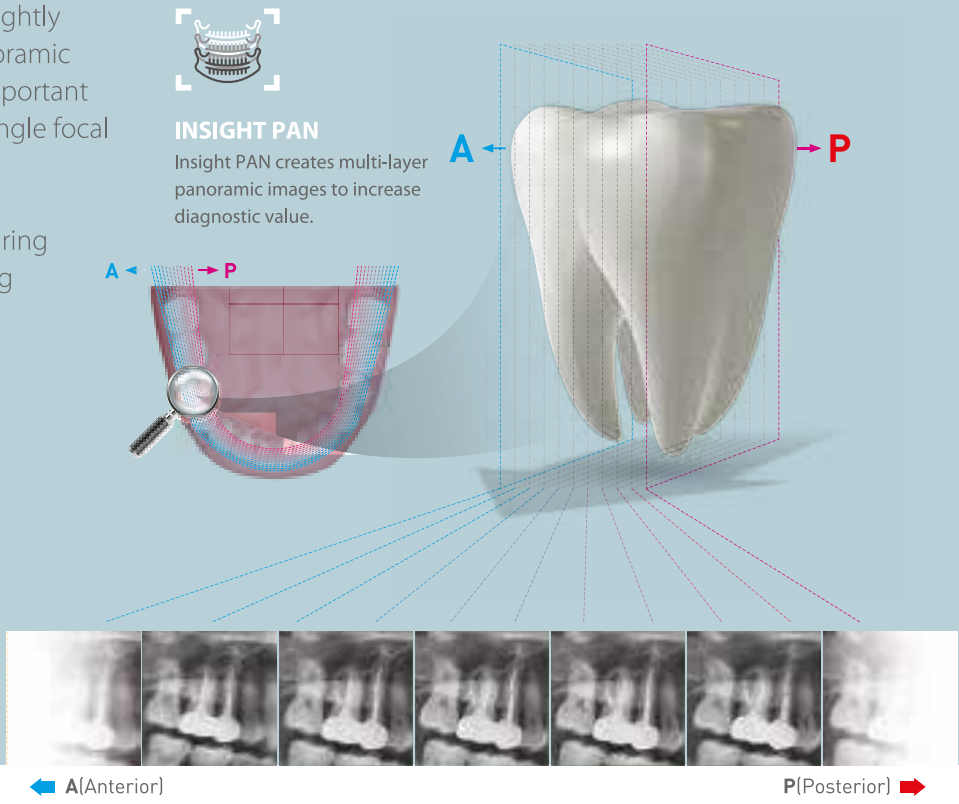
ADVANCED IMAGE SOLUTION WITH INSIGHT PAN

The next evolutionary step forward in panoramic imaging.

The Smart Plus is capable of taking a multi-layered panoramic image called an Insight Pan which provides a unique, in-depth look across a single focal trough.

Since each patient may have a slightly different arch, conventional panoramic images may occasionally miss important details which land outside of a single focal layer.

Insight Pans are capable of capturing multiple-layered images, ensuring that all details are captured in a depth-added panoramic image.



MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH RAPID CEPH TECHNOLOGY

EZDENT-I: QUICK AND EASY DENTAL IMAGING SOFTWARE

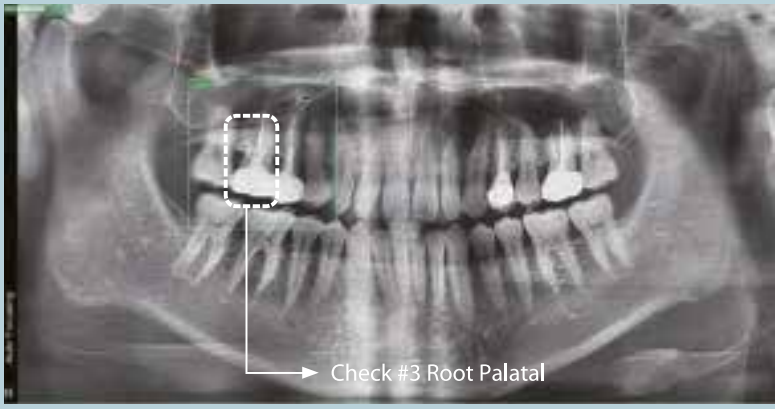
EzDent-i provides a wide array of functions designed to streamline the dental practice's workflow.
It conveniently provides tools for specialized diagnosis and consultation via our easy-to-use user interface.

Diagnosis	· Depth added diagnostics with Insight Pan
Simulation	· 2-click implant simulation · Natural tooth whitening simulation · Simplified canal tracing
Consultation	· 244 consultation videos · Add user-created consultation content

WHAT IS INSIGHT?

The next-generation in panoramic technology, Insight Pans allow doctors to obtain never before seen, in-depth diagnostic information from the anterior to posterior on a digital panoramic image.
The Insight feature allows doctors to explore their region of interest, giving them the capability to find mesiobuccal, distobuccal, and even palatal root information.

STANDARD PANORAMA



INSIGHT FEATURE

Use the Smart Plus's Next Generation Panoramic Technology to Discover:

- ☑ Hidden multi roots and canals
- ☑ Location of pulp and gutta-percha
- ☑ Broken files or root fractures

PRODUCT CONFIGURATION

	CBCT	PANO	CEPH
Smart Plus	•	•	
Smart Plus RC	•	•	•

SPECIFICATIONS (Smart Plus : **PHT-35LHS**)

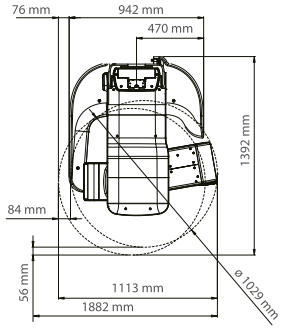
Function		CT (with Auto Pano) + Pano + Ceph + Model Scan
Focal Spot		0.5 mm (IEC 60336)
CT FOV Size		5x5 cm / 10x8.5 cm (Anatomical 12x9 cm) / 10x7 cm
Voxel Size		0.08 mm / 0.12 mm / 0.2 mm / 0.3 mm
Scan Time	CT	18 sec
	Pano	14.1 sec / 7 sec
	Ceph	1.9 sec / 3.9 sec
Gray Scale		14 bit
Tube Voltage		60 ~ 99 kV
Current		4 ~ 16 mA
Weight	With Ceph unit	357.1 lbs

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]

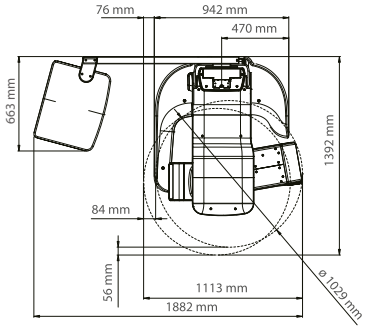
Without CEPH unit

TOP VIEW

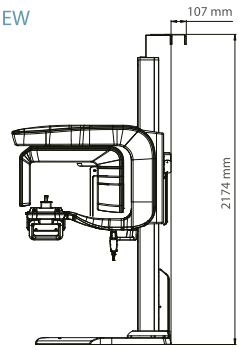


With CEPH unit

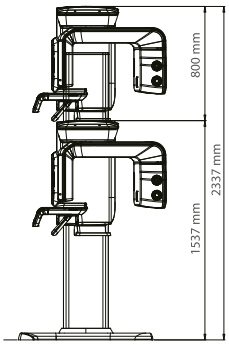
TOP VIEW



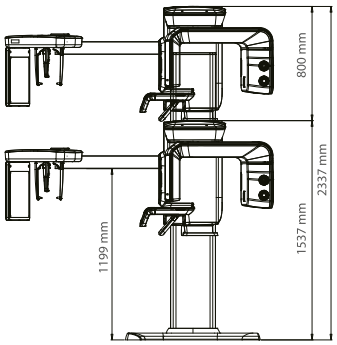
SIDE VIEW



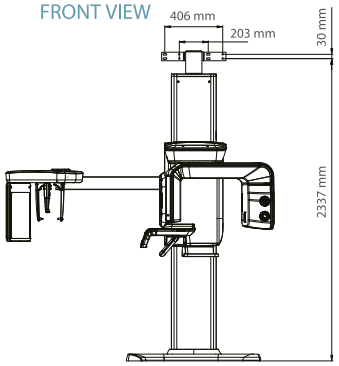
FRONT VIEW



FRONT VIEW



FRONT VIEW



An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).

PaX-i Plus™

5.0 LP/MM PANO IMAGE QUALITY
- Optimal image for accurate diagnosis

RAPID CEPH
- 1.9 second acquisition time produces superb image quality
- Reduced motion artifacts and faster workflow

USER_FRIENDLY EZDENT_I SOFTWARE
- Powerful diagnostic value with Insight feature
- Complete solution for consultation
- Easy to learn, easy to use

THE ADVANCED IMAGING SOLUTION FOR ACCURATE DENTAL DIAGNOSIS

The PaX-i Plus provides the most precise and high quality panoramic images by combining image processing and accumulated experience in dental imaging from Vatech.
This will increase your diagnostic accuracy for improved treatment planning and patient satisfaction.

MAKE YOUR DIAGNOSIS EASY AND EFFICIENT WITH VARIOUS CAPTURE MODES

38.712" / 983.3 mm Bitewing Mode

76.334" / 1938.9 mm TMJ Mode

SELECTION	ARCH	EXAMINATION MODE
PANO EXAMINATION	Narrow / Normal Wide / Child	Standard / Right / Front / Left
	Orthogonal	Orthogonal Standard / Right / Front / Left Bitewing Standard / Right / Front / Left
SPECIAL EXAMINATION	Normal	TMJ LAT Open / Close TMJ PA Open / Close Sinus LAT / PA

MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH RAPID CEPH TECHNOLOGY

PRODUCT CONFIGURATION

	PANO	CEPH
PaX-i Plus	•	–
PaX-i Plus RC	•	•

SPECIFICATIONS (PaX-i Plus : **PCH-30CS**)

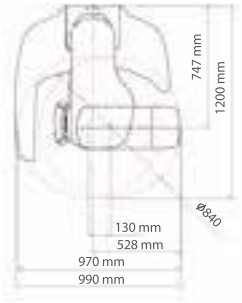
Function		Pano + Ceph	
Focal Spot		0.5 mm (IEC60336)	
Scan Time	Pano	Normal	10.4 sec
		HD	14 sec
	Ceph	1.9 / 3.9 sec	
Gray Scale		14 bit	
Tube Voltage / Current		60 ~ 99 kV / 4 ~ 10 mA	

Weight	Without Ceph unit	95 kg (209.4 lbs. – without Base)
		135 kg (297.6 lbs. – with Base)
	With Ceph unit	120 kg (264.5 lbs. – without Base)
		160 kg (352.7 lbs. – with Base)
Dimensions	Without Ceph unit	990 mm (L) x 1200 mm (W) x 2300 mm (H)
	With Ceph unit	1930 mm (L) x 1200 mm (W) x 2300 mm (H)

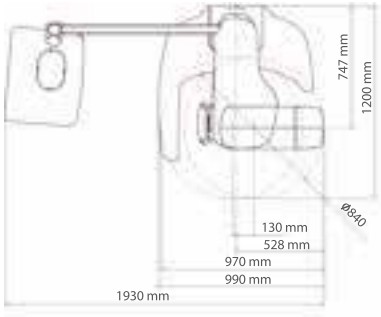
* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]

TOP VIEW

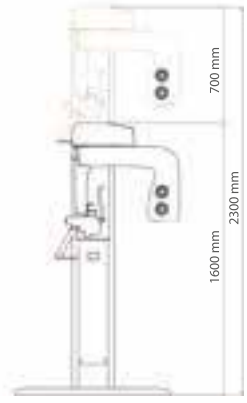


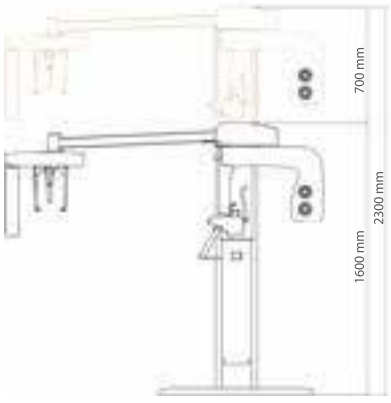
Without CEPH unit



With CEPH unit

FRONT VIEW



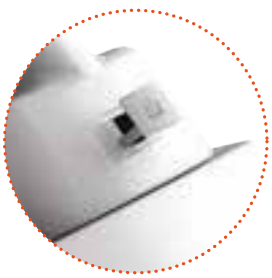


EzRay Air™ Portable

WEIGHT INNOVATION

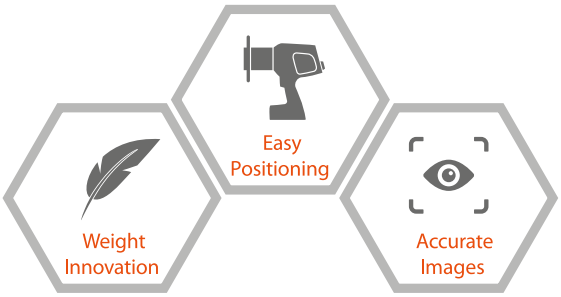
WORLD'S FIRST CNT (CARBON NANO TECHNOLOGY) PORTABLE X-RAY

FASTER WORKFLOW



WEIGHT INNOVATION WITH CNT (CARBON NANO TECHNOLOGY)

The world's first dental application of Carbon Nano Technology.
The EzRay Air Portable is a lightweight portable x-ray device that is designed for easy handling and stable positioning, delivering optimal image quality for your intra-oral x-ray images.



DOUBLE SCATTER SHIELD DESIGN FOR OPERATOR SAFETY

INTERNAL SHIELDING

The internal radiation shielding is perfectly designed to protect the operator from radiation leakage.

EXTERNAL BACKSCATTER SHIELDING

Exposure to radiation results from the beam interacting with the surface of the patient, causing radiation to bounce off as radiation scatters in different directions. The backscatter shield significantly reduces the amount of radiation being reflected.

LOWER COOLDOWN TIMES, FASTER WORKFLOW

The EzRay Air Portable's unique carbon-nano technology efficiencies, which are not available in traditional x-ray generation methods, means there is a 75% reduction in cool-down time between shots, when compared to leading competitor's devices. This allows users to spend less time waiting for their x-ray to be ready and more time diagnosing and treating the patient.

NO WARMUP TIME

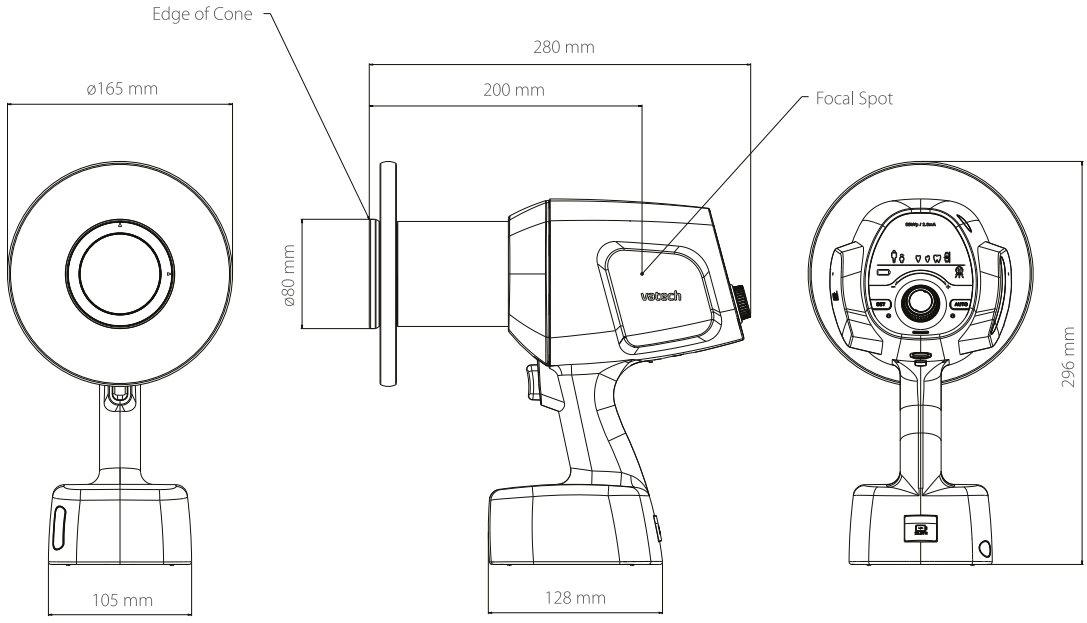
With no initial start-up delay for conventional x-ray sources to warm up, the EzRay Air Portable's Carbon Nano Technology optimizes workflow by allowing for quicker exposure after you initially turn on the device.

SPECIFICATIONS [EzRay Air Portable: **VEX-P300**]

Focal Spot	0.4 mm (IEC 60336)
Tube Voltage (kV)	65 kV
Tube Current (mA)	2.5 mA
Exposure Time	1.0 sec
Total Filtration	Min. 1.5 mm Al
Source to Skin Distance	200 mm
X-ray Field	**Default:** 60 mm Round, 30 x 40 mm Rectangular / **Optional:** 20 x 30 mm Rectangular
Maximum Duty Cycle	1 : 60
Power Input	21.6 V
Weight	3.75 lbs. (1.7 kg)

* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



EzRay Air™ Wall

WEIGHT INNOVATION

WALL-MOUNTED INTRAORAL X-RAY

WEIGHT INNOVATION WITH CNT (CARBON NANO TECHNOLOGY)

The wall mounted EzRay Air Wall is a lightweight x-ray device designed for easy handling and stable positioning for optimal image quality on your intraoral x-rays.

The EzRay Air Wall's lightweight tube head provides users with a stable and easy to use x-ray source which maximizes image clarity and optimizes workflow.

SMART DIAL FOR ALL FUNCTIONS

The operating panel located on the tube head creates a much simpler and much faster workflow. Using the smart dial, practitioners will notice a decrease in preparation time and less of a need to remember complicated control buttons and configurations.

SECURE CLEAR IMAGES WITH A 0.4MM FOCAL SPOT

Compared to other intraoral x-rays on the market, the EzRay Air Wall provides optimal image quality and additional diagnostic value with a 0.4mm focal spot.

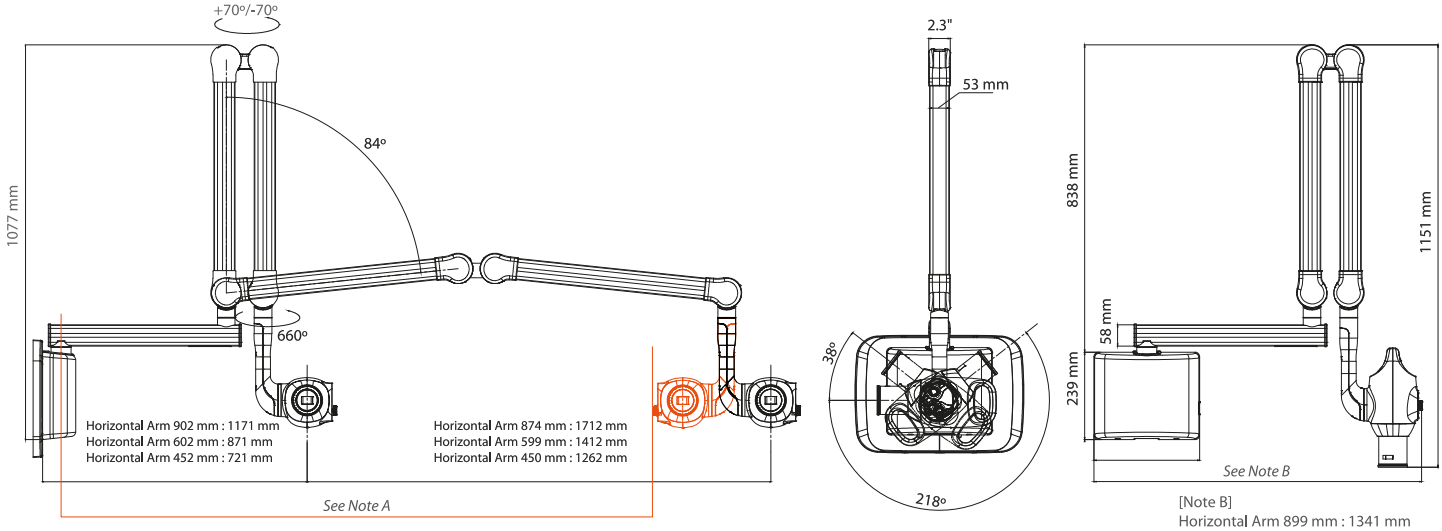
* Exposure Condition : 65kV, 3.0mA

SPECIFICATIONS [EzRay Air Wall : **VEX-S300W]**

Focal Spot	0.4 mm (IEC 60336)
Tube Voltage	65 kV
Tube Current	3.0 mA
Exposure Time Range	0.05 ~ 0.5 (0.01s increment)
Source to Skin Distance	Min. 20 cm
X-ray Field	**Default:** : 60 mm Round, 30x40 mm Rectangular / **Optional:** 20x30 mm Rectangular
Arm Length [Option]	62"/ 68"/ 80" *See note A
Accessories	Remote Exposure Switch (Hand Switch / Doorbell Switch)
Weight	25.8 kg (Arm Length 157.5 cm)
	26.3 kg (Arm Length 172.7 cm)
	27.7 kg (Arm Length 203.2 cm)

* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



[Note A]
450 mm Horizontal Arm 1585 mm / 599 mm Horizontal Arm 1735 mm / 899 mm Horizontal Arm 2035 mm with 203 mm cone

[Note B]
Horizontal Arm 899 mm : 1341 mm
Horizontal Arm 599 mm : 1041 mm
Horizontal Arm 450 mm : 891 mm

EzSensor Classic™

EASY DIAGNOSIS AND GREAT EXPERIENCE WITH EZSENSOR CLASSIC

EzSensor Classic consistently provides high resolution and clear images for accurate diagnosis and treatment planning.

VARIOUS SIZES (1.0 / 1.5 / 2.0)

Select the right sized sensor from the three size options to increase patient comfort.

ERGONOMIC DESIGN

The EzSensor Classic has a slim design with rounded corners for easy positioning to ensure patient comfort.

Square Corner | Rounded Corner

DURABILITY

The EzSensor Classic's unique design makes itself extremely durable. The exterior is made of rugged aluminum and the interior is designed to absorb the external shock. Furthermore, a reinforced, flexible cable attachment protects the sensor from excessive bending.

SPECIFICATIONS (EzSensor Classic : IOS-U10IB / IOS-U15IB / IOS-U20IB / IOS-U10VB / IOS-U15VB / IOS-U20VB)

Detector	CMOS
Pixel Size	29.6 μm
Theoretical Resolution	17 lp/mm
Dynamic Range	12 bit
Active Area (WxL)	Size 1.0 : 20X30 mm Size 1.5 : 24X33 mm Size 2.0 : 26X36 mm
Dimensions (WxLxT)	Size 1.0 : 25.4X36.8 mm (1.00"X1.45") Size 1.5 : 29.2X39.5 mm (1.14"X1.55") Size 2.0 : 31.3X42.9 mm (1.23"X1.69")
Thickness	4.8 mm (0.19")
Cable Length	2.7 m

* The specifications are subject to change without prior notice.

[Intended use]

Intra-Oral Sensor is intended to collect dental x-ray photons and convert them into electronic impulses that may be stored, viewed and manipulated for diagnostic use by dentists.

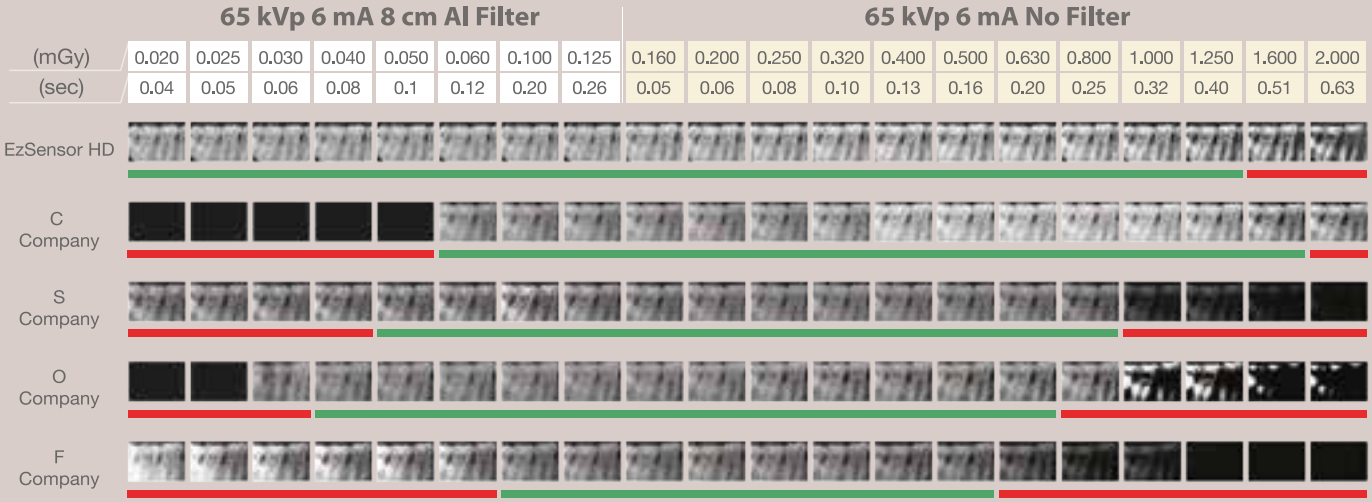
REDEFINING INTRAORAL SENSORS

EzSensor HD™

- EXPERIENCE THE HIGHEST RESOLUTION
- 4.8 MM ULTRA-SLIM DESIGN
- NEW CONTRAST FILTERS FOR YOUR PERFECT IMAGE

EXPERIENCE THE HIGHEST RESOLUTION

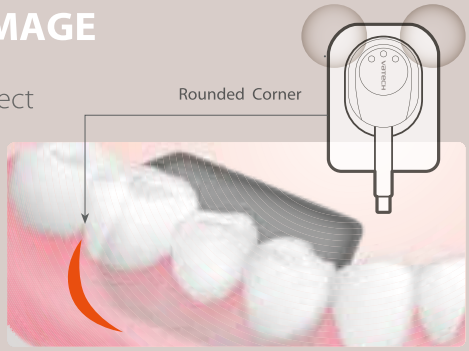
The EzSensor HD is clinically usable at a wide range of exposure settings and is more consistent than all of the other sensors in the market. Practitioners benefit from reducing exposure-related retakes and find it less time consuming. Also, patients benefit from the reduction of radiation exposure. With our high sensitivity sensor, you can capture diagnosable images under any condition, even when using an old x-ray source.

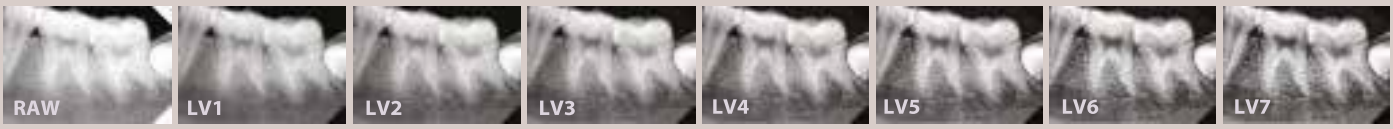


NEW CONTRAST FILTERS FOR YOUR PERFECT IMAGE

Switch quickly and easily among seven new contrast filters to find your perfect diagnostic image. Higher contrast filters can be utilized for periodontics, while lower contrast filters can be used for caries detection and restorative dentistry.

With the EzSensor HD, you will always have these filters at your disposal.





SPECIFICATIONS (EzSensor HD : IOS-U10IF / IOS-U15IF / IOS-U20IF / IOS-U10VF / IOS-U15VF / IOS-U20VF)

Detector	CMOS	Pixel Size	14.8 µm
Theoretical Resolution	33.78 lp/mm	Dynamic Range	12 bit
Active Area (WxL)	Size 1.0 : 20x30 mm Size 1.5 : 24x33 mm Size 2.0 : 26x36 mm	Dimensions (WxLxT)	Size 1.0 : 25.4x36.8 mm (1.00"x1.45") Size 1.5 : 29.2x39.5 mm (1.14"x1.55") Size 2.0 : 31.3x42.9 mm (1.23"x1.69")
Thickness	4.8 mm (0.19")	Cable Length	2.7 m

* The specifications are subject to change without prior notice.

[Intended use]

An EzSensor HD is intended to collect dental x-ray photons and convert them into electronic impulses that may be stored, viewed, and manipulated for diagnostic use by dentists.

Dental Software
Ez3D-i

Cutting-edge Software For Cutting-edge Diagnostics

Ez3D-i™

Powered by a new 3D VR graphics engine, Ez3D-i™ is the ideal tool to quickly and easily obtain the correct perspectives needed for accurate, true-to-measurement diagnosis.

Supports Various VR Coloring modes

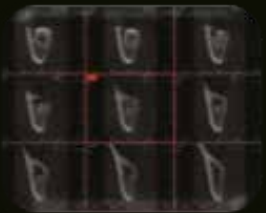
- Teeth Mode
- Bone Mode
- Soft-Tissue Bone Mode
- MIP Mode
- Soft-Tissue Mode

Virtual Consultation Tool

- Over 200 Consultation Videos
- Creation of Personalized Consultation Materials

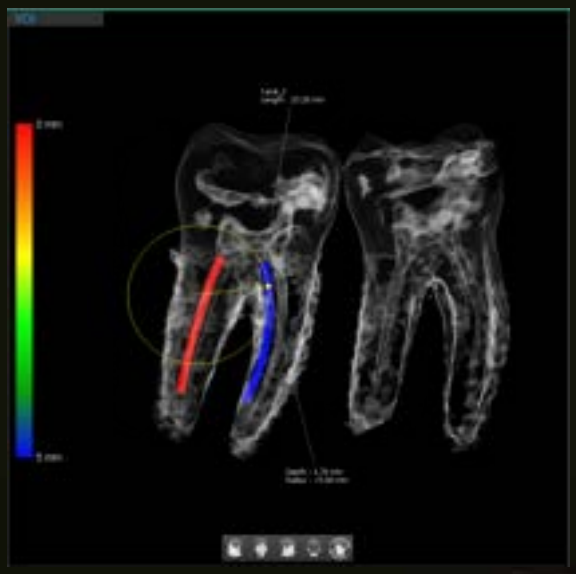
Implant Simulation

- 3 Click Implant Simulation
- Collision Detection
- Bone Density
- 3D Panorama
- Oblique View Mode



Provides Quick and Accurate Cross-Section

- 8 Multi-Section(Curve) Management
- One-Click Cross Section (3D PAN tab)
- Canal Drawing



ENDO / SEGMENT Feature

- One-Click Tooth Segmentation from Bone
- Precise Root Canal Tracing
- 3D Visualisation of Multiple Root Canals
- Individual Canals Depth and Radius Measurement
- 360 Degree (Oblique) View / Cross Sectional View on Root Canal

Dental Software
Ez3D-i

Various Vr Coloring Modes And 2d Filters

Switch quickly and easily between multiple VR views

2-click Airway Analysis

With two clicks, obtain the volume and minimum axial area of an airway for efficient airway diagnosis

Featuring VATECH's Virtual Consultation Tool

With over 200 unique animations, the virtual consultation tool gives you the tools to not only educate patients on treatment plans, but also to show how the plan is relevant to their specific case

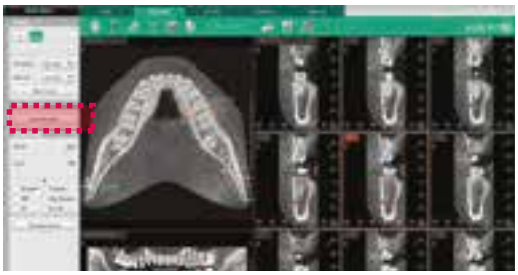
3d Panoramic Navigation

- Easily navigate and obtain a sectional view by utilizing our new and intuitive 3D panoramic navigation mode
- Simply click and drag our viewing window over the 3D panorama to obtain a sectional view of that region
- Angulation made easy

Implant Simulation

- Available in all viewing modes in Ez3D-i™ (MPR/Section/3DPan)
- Colorized bone density viewing modes available
- Adjustable automatic implant collision detection function between multiple implants and/or nerve canal

MPR tab

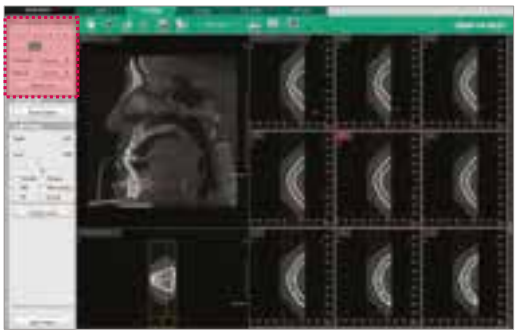


SECTION tab

3D PAN tab

Multi-curve Management

- Draw sectional curves from either the MPR View or Sectional View
- Easily manage and up to 8 different sectional curves
- Intuitive click-and-drag sectional view manipulation



Provides Quick And Accurate Diagnostic Tools

- Various VR Coloring Modes and 2D Filters
- Intuitive Implant Simulation Tools
- Collision Detection (Implant/Canal)
- Bone Density Verification
- Oblique Viewing Tools
- 3D Panoramic Navigation
- 2-Click Airway Analysis
- Multiple Sectional Curves and Segmentation Tools

Consultation Modes Included

- Presentation Mode
- Over 200 Consultation Videos
- Easy to Capture Diagnostic Image
- 3D Panorama

Dental Software
EzDent-i

Simply Essential

EzDent-i™

THE WORLD'S FIRST CLINICAL IMAGING & PATIENT CONSULTATION SOLUTION

Featuring... VATECH's Virtual Consultation Tool (VCT)

With over 200 unique animations, the virtual consultation tool gives you the tools to not only educate patients on treatment plans, but also to show how the plan is relevant to their specific case

Get The Most Out Of Your Images

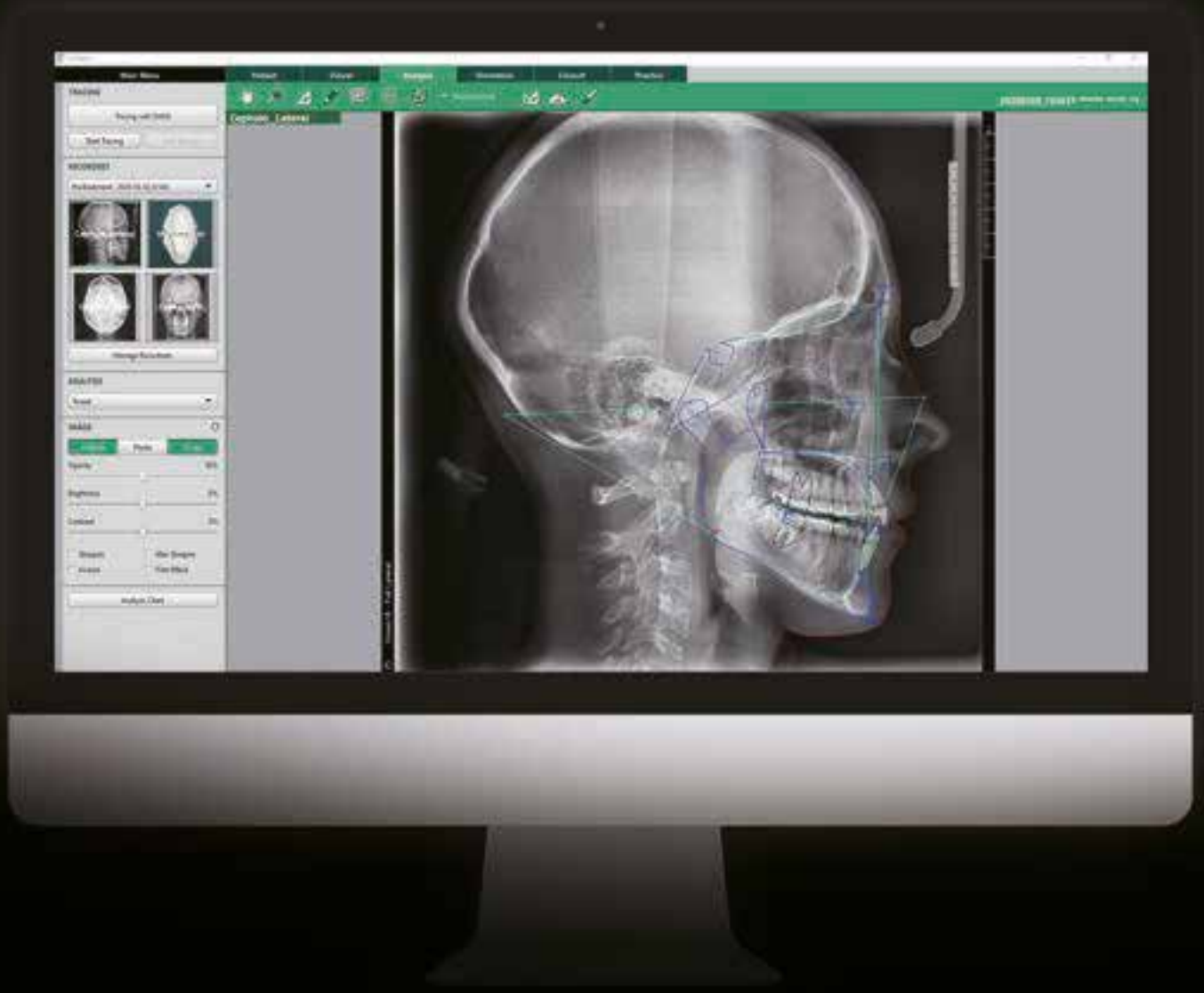
Using our revamped Sharpening and Max Sharpening tools, enhance the quality of your images even further than ever before.

Get The Most Out Of Your Images

Using our revamped Sharpening and Max Sharpening tools, enhance the quality of your images even further than ever before.

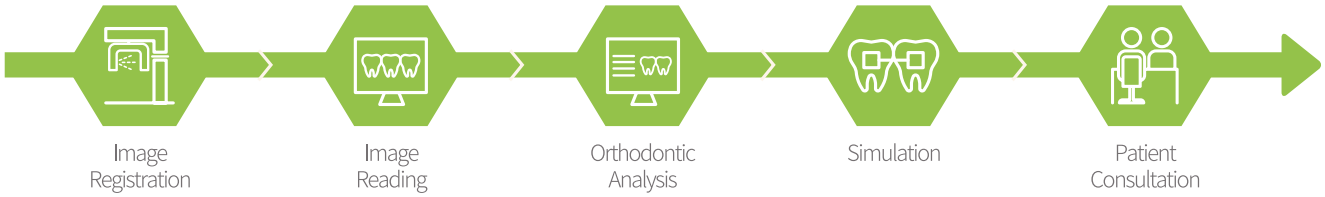
Dental Software
EzOrtho

A.I
Powered orthodontic tool
EzOrtho™



Workflow-Oriented Tabs

EzOrtho™ organizes features relative to the entire workflow from patient image registration to diagnosis, simulation, and patient consultation which enhances ease of use.



Auto-Tracing (A.I-aided feature)

DAVIS™ which is VATECH's Ai-aided feature will automatically find all the landmarks required from 15 unique analysis methods selection to choose from.

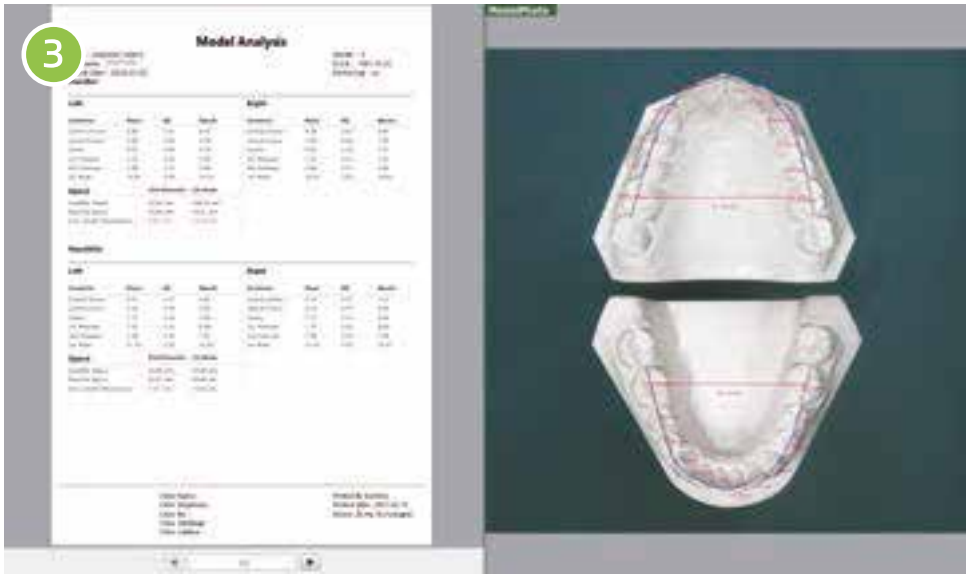
Save your time and see more patients!

- ☑ Landmark Location
- ☑ Cephalo Tracing
- ☑ Measurement

*The image above is a sample of what auto tracing result may look like.

Simple Model Analysis

Measure just one tooth.
EzOrtho™ automatically calculates the length of the remaining teeth and instantly provides the results of the four model analyses.



1. Measure Mesial and Distal points of a tooth for calibration
2. Enter the physically measured length
3. EzOrtho automatically calculates the length by dots on Mesial and Distal of the remaining teeth and provides the model analysis results.

*Arch length discrepancy is a key deciding factor of tooth extraction

Dr Alfonso Rao

I would also recommend the Vatech Green X CBCT to colleagues – I have already purchased a second for a new practice. It's customisable settings and image quality really set it apart. Modern dentistry is rapidly becoming more digital, so CBCT scans will be almost compulsory in a lot of procedures we're doing. Having the best quality images with a low dose is what every clinician should aim to get for their patients.

Dr John Good

Since dealing with Vatech, they have become our preferred company to work with. Their exceptional customer service makes it effortless to address any issues, and their accessibility is unmatched. We appreciate the personalised touch they bring to every interaction. Our experience with the Green X has been excellent. When considering other options, we explored the latest advancements in cone beam CT technology with Vatech. After thorough testing, we were impressed by the image quality of the Green X, reaffirming our satisfaction with our decision to upgrade.

Dr Sunil Hirani

Vatech scanner has lived up to its expectations and the aftercare hasbeen second to none. In our world we need quick answers and results. If the unit was not working or there was a problem viewing an image, we are clinically paralysed. I've had conversations with Vatech's support at 10pm in the evening – their work ethic and ethos is very impressive and is difficult to beat.

Dr Jonathan Murphy

I have used the software available with other systems, but the Ez3D-i beats them all, hands down. Its intuitive handling alongside the sectional or simpler 3D Pan view improves patient communication. I can easily explain to patients how dental implants could benefit them. I can show them the problems I have identified and demonstrate how we might overcome challenges in a way they understand.

Dr Julian Perry

Because a Mobile Clinic is hardly a typical environment for a scanner, a rigorous appraisal of what was on offer had to be undertaken. Altogether 13 machines were assessed before Vatech and E-Woo were chosen. It was selected not simply because of its durability and con-sistent performance, but because of its image clarity and that it offered a variable FOV.

Our Clients Say

Dr Johann Styger

Having been placing dental implants for several years, I now don't know how I ever worked without my Green 16 CBCT machine! I liked that it features a range of fields of view, as it allows you to cover a smaller area when appropriate to do so. The Model Scan function offers further flexibility within the one piece of equipment, enabling the digitalising of 3D models for easier storage and quicker, more-efficient communication with the dental laboratory. The ART-V (Artefact Reduction Technology) is also helpful – I've not noticed any distortions in images due to metal artefacts.

Dr Massimo Giovarruscio

The many fields of view (FOV) options are very good, allowing me to narrow down what I want to look at where appropriate. The smallest voxel size is 49.5 microns, which still provides unbeatable high-definition image quality in the 4x4 Endo Mode. In addition, I have been impressed that the Ez3D-I software shows a 3D root canal image and that you can both adjust the pulp level and segment the teeth to differentiate between the jawbone and teeth.

Dr Chris Ball

I liked that Vatech provide the full spectrum of services from product installation to training and on-going support. They are the technology manufacturer as well, which cuts out the middleman if you have any questions. I chose the Smart Plus CT because it is compact and offers both traditional 2D panoramic and 3D imaging in one machine, which is the kind of flexibility you need to offer both general and some more advanced dental services such as endodontics, dental implant placement and oral surgery. It does all this, while providing superb image quality with low radiation dose technology.

Dr Philip Friel

I researched all the potential suppliers of equipment for the clinic and Vatech ticked the boxes for the multiple field of view CBCT. This offers the ability to take variable scan sizes without patching that can be utilised in the maintenance of as low a dose as possible for the patient. We've found our scanner fully functional yet intuitive to use. The provided capture software gives a simple and easy-to-use interface, which enables us to achieve the optimal image without difficulty. In addition, in terms of service, we've experienced no major issues and always been aware of the 'can-do' attitude from our Vatech contacts.